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VISCOSE SPONGE HAVING ANTIBACTERIAL PROPERTY

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Inventor: UCHIDA AKIO; ITO HIROO
Applicant: LION CORP
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Abstract of **JP2153723**

PURPOSE:To improve antibacterial property, safty and durability by incorporating silicate particles being ion-exchanged with an antibacterial metal ion into a viscose sponge together with reinforcing fibers. **CONSTITUTION:**The viscose sponge is manufactured in such a manner that antibacterial silicate, reinforcing fibers, and conventional crystal mirabilite are applied and mixed to viscose as auxiliary additives during the production thereof, and the mixed matter obtained thereby is molded into a predetermined configuration, and after heating and solidifying, it is brought into contact with acid solution in order to reproduce cellulose, and washed and dried. Such reinforced fiber is given by a natural fiber of ramie or the like as well as various kinds of synthetic fiber, for example, a rayon or the like, and they are employed in the form of single or mixed matter. And, silicate (antibacterial silicate) particles being ion-exchanged by antibacterial metal ion are used as an additive. In the antibacterial silicate, all antibacterial metal ions are available if it may be superior to an antibacterial property, and a metallic ion having less harmfulness to a human body, there might be employed at least a kind of being generally selected among silver ion, copper ion, and zinc ion.

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